

REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 3

ORIGINAL

Site Name: Chemetall Foote Corporation EPA ID#: VAD003374865 DSN: VA-735
Alias Site Names: _____
City: Sunbright / Williamsburg County: Scott State: VA
Report Dated: August 31, 2006 Report type: PA Report
Report developed by: VADEQ

DECISION:

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

<input checked="" type="checkbox"/> 1a. Site does not qualify for further remedial site assessment under CERCLA (No Further Remedial Action Planned -- NFRAP)	<input type="checkbox"/> 1b. Site may qualify for further action, but is deferred to:	<input type="checkbox"/> RCRA <input type="checkbox"/> NRC
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☐ 2. Further Assessment Needed Under CERCLA: 2a. (optional) Priority: ☐ Higher ☐ Lower

2b. Activity Type:	<input type="checkbox"/> PA <input type="checkbox"/> SI	<input type="checkbox"/> ESI <input type="checkbox"/> HRS evaluation	<input type="checkbox"/> Other: _____
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DISCUSSION/RATIONALE:

This investigation was performed in order to gather the data necessary to evaluate the site as a candidate for the National Priorities List.

The site, approximately 509 acres in size, is located off route 871 near the intersection of route 653 in Sunbright, Scott County, VA. The site consists of a closed subsurface mine, manufacturing facility, and a state approved capped Spodumene-Lime Tailings Pile (SLTP). The closed mine and manufacturing facility was located on the north side of route 871 and the SLTP was located on the south side of 871. Two streams, the Bishop and Stock Creeks, located on the northeast perimeter of the facility converge on the site property. Site operations consisted of the manufacturing of lithium hydroxide. Limestone and spodumene was used in the manufacturing of lithium hydroxide. The limestone was mined underground and the spodumene was transported to the facility. Calcium aluminum silicate was generated from the manufacturing process and was disposed of in two waste piles, a sinkhole, and a large depression located south of route 871. Approximately 2 million tons of waste was disposed of in the depression area (SLTP) and an additional 200 thousand cubic yards calcium carbonate filter cake was disposed of in the abandoned mine area. Compliance to the provisions set forth in the Closure Demonstration Report and Consent Special Order was demonstrated by the property owners. From 1999 to 2003, quarterly monitoring of drinking water wells revealed lithium concentrations below the EPA's risk base concentrations (RBCs) for the corresponding constituent. Ongoing water quality monitoring of the discharge points (outfalls) will continue indefinitely to ensure that the treated water from the pH neutralization process is operating efficiently.

Pathways of Concern:**Soil Exposure and Air Migration Pathways:**

These pathways were not evaluated because there was no indication that these pathways posed a threat to human health and/or the environment.

Ground Water Migration Pathway:

Four years of quarterly monitoring of drinking water wells shown trace amounts of lithium, below the EPA's RBCs.

Surface Water Migration Pathway:

Ongoing environmental monitoring of the discharge outfalls points as stipulated in the VPDES permit and Consent Order will continue indefinitely to ensure the quality of the two streams. A benthic macro invertebrate study of Stock Creek revealed a significant number of ecological species were found in the creek.

Based on this information, the site does not qualify for further evaluation as a candidate for the National Priorities List and the site will be qualified as No Remedial Action Planned (NFRAPed) in the CERCLA data base at this time.

ORIGINAL

Report Reviewed/Approved
and Site Decision Made By:
Manager

SAM'S NAME
Site Assessment

Signature:

[Handwritten Signature]

Date:
11/15/06

'A Form # 9100-3